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NEW SOUTH WALES

STATISTICAL REGISTER

MINING

1959

K. DAVISON

DEPUTY COMMONWEALTH STATISTICIAN

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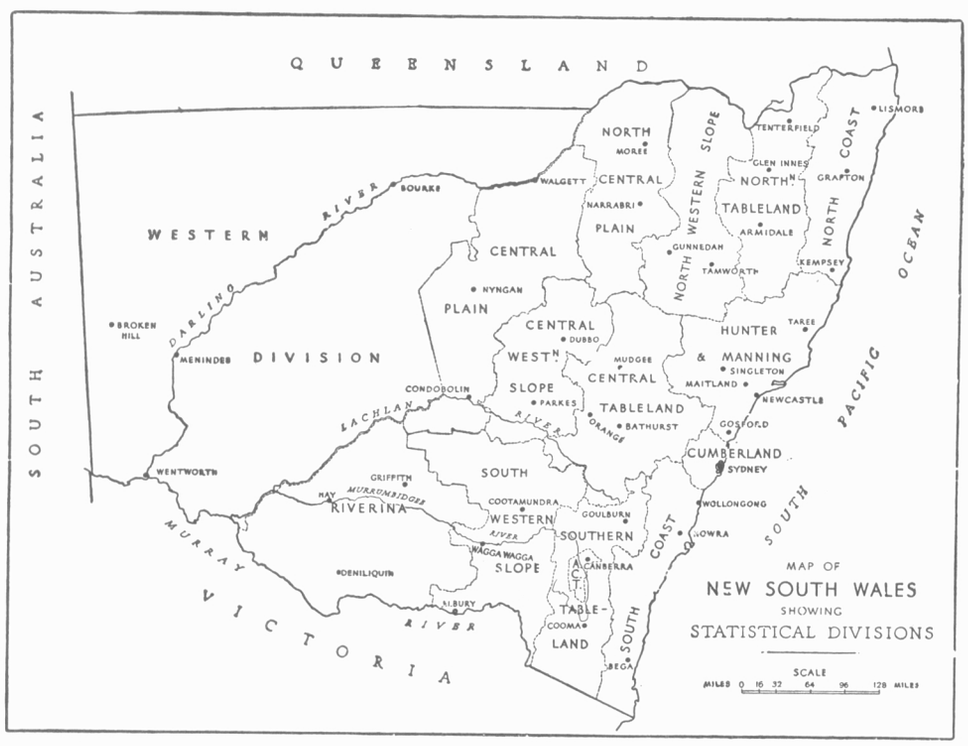

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PREFACE

This issue of the *Mining* Part of the *Statistical Register of New South Wales* contains statistics for 1959 and earlier years.

The statistics given in this publication should be read in conjunction with the *Official Year Book of New South Wales*. For the most recent statistics, the reader should refer to other publications of the Bureau, particularly the *Statistical Bulletin* and the *Monthly Summary of Business Statistics*.

My thanks are tendered to the responsible officers of the various State and Commonwealth authorities and to others who have supplied information, often at considerable trouble.

K. Davison
Deputy Commonwealth Statistician

Bureau of Census and Statistics,
Sydney,
22nd December, 1960.

MINING

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MINING STATISTICS

EXPLANATORY NOTES

1. For statistical purposes, the mining industries are defined to cover not only the actual mining or quarrying operations, but also crushing and ore dressing operations carried out in treatment works situated at or near a mine or quarry. The screening and washing of coal are included in mining activity when undertaken at a mine or at plants centrally situated to serve a number of mines in the locality. However, the refining of metals and the processing of raw materials (in the manufacture of such products as coke, bricks, and portland cement) are classified as factory activity, whether or not the works are situated in the locality of the mine or quarry.

2. In accordance with this definition, the minerals produced are recorded in the form in which they are despatched from the working. For example, a metallic mineral is recorded as an ore if untreated before despatch, and as a concentrate if ore dressing operations are undertaken at or about the mine.

3. The minerals are classified into four major groups:—
   metallic minerals;
   fuel minerals;
   non-metallic minerals; and
   construction materials.

4. In Tables 1 to 6, each mine or quarry has been classified to an industry in accordance with its principal product, and all employment, products, and other particulars of the mine or quarry have been attributed to that industry. The value of output shown in these Tables for a particular industry or group of industries is therefore the value of all the products of the mines and quarries classified to that industry or group.

5. Revised methods of preparing statistics were adopted in 1950 for all mining industries except the coal mining industry, in accordance with a plan for the preparation of mining statistics on a uniform basis in all Australian States and Territories. Statistics relating to employment and the quantity and value of mineral products are available on the new basis only from 1950, and those relating to wages, value of plant, materials used, etc., are available only from 1952. These statistics are not comparable with those previously published for earlier years.

6. Oil search operations are not regarded as a mining activity.

No. 1. Summary of Mining Operations*, 1953 to 1959

Year	No. of Mines Worked	Average Number of Persons Employed †	Salaries and Wages Paid ‡	Fixed Assets of Mines		Materials and Fuel Used	Explosives Sold to Employees	Value of Output
				Additions and Replacements During Year	Value at End of Year ¶			
			£	£	£	£	£	£
Silver-Lead-Zinc Mining								
1953	23	6,944	9,804,126	2,799,647	14,533,775	5,815,497	143,694	22,817,138
1954	24	6,618	10,013,899	1,863,306	15,115,693	5,446,350	110,827	26,671,799
1955	30	6,765	10,779,317	1,641,142	15,596,941	6,070,635	129,911	31,949,863
1956	26	6,803	11,684,684	1,237,822	15,556,971	6,843,129	155,520	34,104,092
1957	28	6,717	11,232,129	1,132,007	15,241,306	7,015,557	160,664	26,820,317
1958	13	6,234	8,985,969	977,541	14,893,717	5,666,500	138,779	19,093,042
1959	13	5,607	8,369,054	882,851	14,491,597	5,257,715	124,586	20,946,648
Other Metallic Mining								
1953	228	1,047	592,469	298,462	1,128,069	444,110	...	1,887,773
1954	175	813	464,974	168,364	1,126,303	357,682	...	1,666,914
1955	154	993	696,526	485,166	1,387,277	490,347	1,249	2,771,617
1956	134	1,417	1,202,382	1,329,154	1,949,421	999,918	1,800	5,806,716
1957	124	1,730	1,526,810	1,325,877	2,928,396	1,392,988	1,660	7,052,960
1958	135	1,158	989,591	300,359	2,419,708	683,296	2,805	3,394,627
1959	153	991	843,195	411,480	1,969,354	694,156	2,664	2,995,855
Total, Metallic Mining								
1953	251	7,991	10,396,595	3,098,109	15,661,844	6,259,607	143,694	24,704,911
1954	199	7,431	10,478,873	2,031,670	16,241,996	5,804,032	110,827	28,338,713
1955	184	7,758	11,475,843	2,126,308	16,984,218	6,560,982	131,160	34,721,480
1956	160	8,220	12,887,066	2,566,976	17,506,392	7,843,047	157,320	39,910,808
1957	152	8,447	12,758,939	2,457,884	18,169,702	8,408,545	162,324	33,873,277
1958	148	7,392	9,975,560	1,277,900	17,313,425	6,349,796	141,584	22,487,669
1959	166	6,598	9,212,249	1,294,331	16,460,951	5,951,871	127,250	23,942,503
Coal Mining								
1953	159	19,961	18,282,487	5,653,419	22,408,329	7,473,816	89,705	41,629,850
1954	151	19,979	19,233,214	4,469,244	21,901,071	7,852,665	98,964	42,762,415
1955	144	19,260	19,362,397	4,088,419	21,911,035	7,664,157	88,941	41,715,408
1956	130	17,918	19,374,690	5,608,761	23,037,932	8,089,973	86,403	40,637,278
1957	129	16,622	18,608,261	8,131,909	26,047,474	7,924,912	80,369	40,449,802
1958	117	15,463	18,357,355	7,166,950	27,883,127	8,358,314	62,788	39,979,194
1959	115	13,445	17,251,614	6,609,700	30,464,223	7,959,357	30,412	37,436,654
Non-metallic Mining (*Excluding Clays*)								
1953	102	674	500,963	196,674	1,063,555	336,590	...	1,202,189
1954	95	668	512,020	174,762	1,166,833	370,736	...	1,323,521
1955	96	683	574,609	250,444	1,234,008	425,970	...	1,471,767
1956	96	654	564,271	138,135	1,098,593	437,075	...	1,570,803
1957	106	674	640,545	290,026	1,432,451	519,964	...	1,784,706
1958	131	683	618,036	348,961	1,405,377	534,688	...	1,866,759
1959	119	667	587,531	196,519	1,350,175	479,915	466	1,801,465
Total *								
1953	512	28,626	29,180,045	8,948,202	39,133,728	14,070,013	233,399	67,536,950
1954	445	28,078	30,224,107	6,675,676	39,309,900	14,027,433	209,791	72,424,649
1955	424	27,701	31,412,849	6,465,171	40,129,261	14,651,109	220,101	77,908,655
1956	386	26,792	32,826,027	8,313,872	41,642,917	16,370,095	243,723	82,118,889
1957	387	25,743	32,007,745	10,879,819	45,649,627	16,853,421	242,693	76,107,785
1958	396	23,538	28,950,951	8,793,811	46,601,929	15,242,798	204,372	64,333,622
1959	400	20,710	27,051,394	8,100,550	48,275,349	14,391,143	158,128	63,180,622

* Excludes clay pits and quarries winning construction materials, which, in 1959, had an average employment of 465 and 1,488, respectively, and a value of output of £1,002,735 and £7,117,917, respectively.
† For coal mining, average during whole year; for other mining, average during period of operation. Includes working proprietors, but excludes fossickers.
‡ Before deducting the value of explosives sold to employees; excludes drawings by working proprietors.
¶ Depreciated book values.

No. 2. Value of Materials and Fuel Used in Mines*, 1953 to 1959

Year and Class of Mining	uel and Power Used					Stores and Materials Used			
	Coal	Oil and Petrol	Electricity	Other	Total Fuel and Power	Mining Timber	Explosives †	Other	Total Stores and Materials
	£	£	£	£	£	£	£	£	£
1953	449,409	351,468	2,416,489	343,976	3,561,342	2,306,141	‡	8,202,530	10,508,671
1954	439,536	292,651	2,366,367	323,134	3,421,688	2,369,581	1,063,794	7,172,370	10,605,745
1955	428,693	229,164	2,651,721	396,580	3,706,158	2,338,407	966,641	7,639,903	10,944,951
1956	337,578	296,075	3,040,890	412,576	4,087,119	2,515,467	1,027,560	8,739,949	12,282,976
1957	263,100	356,202	3,256,342	422,786	4,298,430	2,550,494	983,819	9,020,678	12,554,991
1958	231,113	251,508	3,121,800	340,634	3,945,055	2,350,177	1,073,794	7,873,772	11,297,743
1959—									
Silver-Lead-Zinc ..	129	23,687	1,218,588	238,729	1,481,133	1,003,858	79,156	2,693,568	3,776,582
Other Metallic ..	5,306	82,775	149,174	17,128	254,383	1,298	4,266	434,209	439,773
Coal	169,975	45,192	1,557,265	5,570	1,778,002	1,119,268	801,913	4,260,174	6,181,355
Non-metallic	10,199	63,804	53,615	352	127,970	40	74,653	277,252	351,945
Total	185,609	215,458	2,978,642	261,779	3,641,488	2,124,464	959,988	7,665,203	10,749,655

* See note *, Table 1.
† Excludes value of explosives sold to employees. See Table
‡ Not available separately; included in " Other "

No. 3. Fixed Assets of Mines*, 1954 to 1959

Year	Additions and Replacements During the Year				Value at End of Year †			
	Land and Buildings	Machinery and Plant	Mine Development	Total	Land and Buildings	Machinery and Plant	Mine Development	Total
	£	£	£	£	£	£	£	£
Silver-Lead-Zinc Mining								
1954	350,313	1,079,452	433,541	1,863,306	3,743,546	6,946,376	4,425,771	15,115,693
1955	83,398	1,009,044	548,700	1,641,142	3,392,394	7,230,385	4,974,162	15,596,941
1956	114,440	747,735	375,647	1,237,822	3,111,945	7,096,517	5,348,509	15,556,971
1957	130,324	654,654	347,029	1,132,007	2,887,195	6,669,079	5,685,032	15,241,306
1958	27,147	467,570	482,824	977,541	2,570,689	6,149,672	6,173,356	14,893,717
1959	6,095	473,105	403,651	882,851	2,293,315	5,620,325	6,577,957	14,491,597
Other Metallic Mining								
1954	12,089	146,871	9,404	168,364	189,212	792,243	144,848	1,126,303
1955	48,493	397,331	39,342	485,166	218,883	934,079	234,315	1,387,277
1956	95,715	1,193,668	39,771	1,329,154	238,429	1,555,382	155,610	1,949,421
1957	109,697	1,155,336	60,844	1,325,877	342,759	2,394,524	191,113	2,928,396
1958	30,423	215,433	54,503	300,359	283,120	1,968,119	168,469	2,419,708
1959	4,593	376,373	30,514	411,480	245,235	1,589,520	134,599	1,969,354
Coal Mining								
1954	434,385	3,595,280	439,579	4,469,244	3,915,406	14,435,609	3,550,056	21,901,071
1955	357,894	3,395,096	335,429	4,088,419	3,888,577	14,502,281	3,520,177	21,911,035
1956	506,227	4,648,765	453,769	5,608,761	4,014,435	15,755,334	3,268,163	23,037,932
1957	610,666	6,776,447	744,796	8,131,909	4,129,047	18,117,096	3,801,331	26,047,474
1958	685,110	5,747,008	734,832	7,166,950	4,517,120	19,309,268	4,056,739	27,883,127
1959	432,829	5,275,810	901,061	6,609,700	4,767,436	21,243,370	4,453,417	30,464,223
Non-metallic Mining (*Excluding Clays*)								
1954	15,722	154,937	4,103	174,762	162,889	867,982	135,962	1,166,833
1955	10,431	238,012	2,001	250,444	157,731	941,209	135,068	1,234,008
1956	643	136,164	1,328	138,135	182,425	787,253	128,915	1,098,593
1957	26,831	255,639	7,556	290,026	187,014	1,130,638	114,799	1,432,451
1958	20,529	324,283	4,149	348,961	205,227	1,089,844	110,306	1,405,377
1959	11,837	183,125	1,557	196,519	211,552	1,033,289	105,334	1,350,175
Total *								
1954	812,509	4,976,540	886,627	6,675,676	8,011,053	23,042,210	8,256,637	39,309,900
1955	500,216	5,039,483	925,472	6,465,171	7,657,585	23,607,954	8,863,722	40,129,261
1956	717,025	6,726,332	870,515	8,313,872	7,547,234	25,194,486	8,901,197	41,642,917
1957	877,518	8,842,076	1,160,225	10,879,819	7,546,015	28,311,337	9,792,275	45,649,627
1958	763,209	6,754,294	1,276,308	8,793,811	7,576,156	28,516,903	10,508,870	46,601,929
1959	455,354	6,308,413	1,336,783	8,100,550	7,517,538	29,486,504	11,271,307	48,275,349

* Excludes clay pits and quarries winning construction materials, for which these particulars are not available.
† Depreciated book values.

No. 4. Persons Employed in Mines*, 1954 to 1959

Year	Working Proprietors	Persons Employed on Last Full Working Day							Average Number of Persons Employed †
		Salaried Staff		Wage Earners		Total Employed			
		Above Ground	Below Ground	Above Ground	Below Ground	Males	Females	Persons	
Silver-Lead-Zinc Mining									
1954	13	767	350	1,769	3,550	6,354	95	6,449	6,618
1955	22	777	386	1,908	3,732	6,714	111	6,825	6,765
1956	23	780	394	1,890	3,703	6,682	108	6,790	6,803
1957	14	780	405	1,825	3,551	6,474	101	6,575	6,717
1958	15	720	376	1,586	3,238	5,840	95	5,935	6,234
1959	4	712	361	1,550	2,825	5,355	97	5,452	5,607
Other Metallic Mining									
1954	134	46	2	493	42	710	7	717	813
1955	138	69	3	825	60	1,081	14	1,095	993
1956	101	134	1	1,337	26	1,579	20	1,599	1,417
1957	69	128	...	1,156	23	1,360	16	1,376	1,730
1958	80	101	1	628	25	822	13	835	1,158
1959	83	99	1	629	18	817	13	830	991
Coal Mining									
1954	61	684	216	5,723	12,863	19,496	51	19,547	19,979
1955	38	696	221	5,332	12,211	18,444	54	18,498	19,260
1956	30	600	214	4,906	11,963	17,650	63	17,713	17,918
1957	37	585	191	4,390	10,813	15,951	65	16,016	16,622
1958	33	541	181	4,153	9,441	14,283	66	14,349	15,463
1959	31	577	210	3,885	8,562	13,203	62	13,265	13,445
Non-metallic Mining (*excluding Clays*)									
1954	54	29	...	532	6	619	2	621	668
1955	55	25	...	565	4	645	4	649	683
1956	57	20	...	546	5	627	1	628	654
1957	42	25	...	578	4	649	...	649	674
1958	53	37	...	522	5	616	1	617	683
1959	49	35	...	518	5	606	1	607	667
Total *									
1954	262	1,526	568	8,517	16,461	27,179	155	27,334	28,078
1955	253	1,567	610	8,630	16,007	26,884	183	27,067	27,701
1956	211	1,534	609	8,679	15,697	26,538	192	26,730	26,792
1957	162	1,518	596	7,949	14,391	24,434	182	24,616	25,743
1958	181	1,399	558	6,889	12,709	21,561	175	21,736	23,538
1959	167	1,423	572	6,582	11,410	19,981	173	20,154	20,710

* See note *, Table 3.
† For coal mining, average during whole year; for other mining, average during period of operation. Includes working proprietors, but excludes fossickers.

No. 5. Individual Mining and Quarrying Industries: Average Number of Persons Employed*, 1950 to 1959

Persons employed include those engaged in actual mining and quarrying operations, and in crushing and ore dressing operations carried out in treatment works situated at or near the mine or quarry.

Industry	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
Mining for Metallic Minerals										
Antimony	39	41	24	26	46	38	28	28	36	32
Bauxite	3	5	6	3	2	3	3	3	2	2
Copper and Copper-Gold	203	156	152	40	33	60	66	80	63	44
Gold	492	415	319	178	161	163	122	131	136	31
Iron Oxide	12	11	10	5	3	3	3	3	8	16
Manganese	32	24	18	19	30	27	24	32	40	66
Mineral Sands	176	289	352	379	314	503	1,013	1,340	718	621
Silver-Lead-Zinc	6,244	6,781	7,146	6,944	6,618	6,765	6,803	6,717	6,234	5,607
Tin	403	334	288	270	178	164	147	109	152	171
Tungsten	17	91	125	111	33	21	10	4	...	2
Other Metallic Minerals	15	20	11	16	13	11	1	...	3	6
Total	7,636	8,167	8,451	7,991	7,431	7,758	8,220	8,447	7,392	6,598
Mining for Fuel Minerals										
Coal, Black	18,338	18,697	20,151	19,961	19,979	19,260	17,918	16,622	15,463	13,445
Shale, Oil Bearing	182	147	112	...	...	...	...	...	...	...
Total	18,520	18,844	20,263	19,961	19,979	19,260	17,918	16,622	15,463	13,445
Mining for Non-metallic Minerals										
Asbestos	33	35	31	27	26	26	31	34	43	51
Barite	11	7	7	4	8	9	7	4	5	1
Clays—										
Brick and Tile Clay and Shale	335	366	318	329	320	317	311	290	288	316
Other Clay and Shale	230	208	175	185	176	176	170	171	163	149
Diatomite	25	21	14	12	16	13	13	12	8	9
Dolomite	37	27	9	11	12	10	11	27	10	12
Felspar (including Cornish Stone)	23	31	28	27	31	30	22	23	19	16
Gypsum	37	35	34	33	38	45	36	36	37	33
Limestone (including Sea Shells)	410	321	383	395	388	371	343	331	351	328
Magnesite	66	46	76	78	68	97	107	126	101	79
Talcs (including Steatite and Pyrophyllite)	15	20	14	11	11	8	6	8	8	11
Other Non-metallic Minerals	103	102	78	76	70	74	78	73	101	127
Total	1,325	1,219	1,167	1,188	1,164	1,176	1,135	1,135	1,134	1,132
Quarrying for Construction Materials										
Sand and River Gravel—										
River Deposits	221	254	250	253	305	446	497	441	426	503
Other Deposits	30	39	30	55	50	56	68	61	92	92
Dimension Stone—										
Granite	67	54	17	13	17	16	12	14	37	47
Sandstone	112	121	134	124	133	137	115	135	134	143
Other	8	17	17	13	37	21	20	25	30	20
Crushed and Broken Stone	526	628	565	566	692	569	533	569	565	683
Total	964	1,113	1,013	1,024	1,234	1,245	1,245	1,245	1,284	1,488
All Mining and Quarrying Industries										
Total	28,445	29,343	30,894	30,164	29,808	29,439	28,518	27,449	25,273	22,663

* For coal mining, average during whole year; for other mining, average during period of operation. Includes working proprietors, but excludes fossickers (estimated at 374 in 1959) and employees of Main Roads Department and Municipal and Shire Councils winning road materials (estimated at 948 in 1959).

No. 6. Individual Mining and Quarrying Industries: Value of Output, 1950 to 1959

Industry	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959
	£ thousand									
Mining for Metallic Minerals										
Antimony	18	32	16	6	9	30	34	60	88	82
Bauxite	1	2	5	2	3	3	5	3	1	4
Copper and Copper-Gold	212	219	179	20	16	23	22	12	15	25
Gold	557	565	401	225	329	283	250	269	102	7
Iron Oxide	27	34	39	19	14	14	16	13	12	17
Manganese	16	26	16	26	17	15	18	19	26	45
Mineral Sands	340	853	1,220	1,163	1,021	2,172	5,225	6,503	2,960	2,664
Silver-Lead-Zinc	23,093	33,169	25,992	22,817	26,672	31,950	34,104	26,820	19,093	20,947
Tin	320	398	418	303	211	216	230	173	190	151
Tungsten	6	57	86	96	8	11	6	1	...	...
Other Metallic Minerals	1	5	13	28	39	5	1	...	1	...
Total	24,591	35,360	28,385	24,705	28,339	34,722	39,911	33,873	22,488	23,942
Mining for Fuel Minerals										
Coal, Black	22,121	31,466	43,283	41,630	42,762	41,715	40,637	40,450	39,979	37,437
Shale, Oil Bearing	185	181	51	...	...	...	...	...	...	...
Total	22,306	31,647	43,334	41,630	42,762	41,715	40,637	40,450	39,979	37,437
Mining for Non-metallic Minerals										
Asbestos	34	37	43	56	57	54	57	66	69	67
Barite	2	1	1	2	3	4	2	13	10	...
Clays—										
Brick and Tile Clay and Shale	354	513	462	464	548	604	616	578	649	782
Other Clay and Shale	191	152	151	240	224	240	224	269	222	221
Diatomite	13	18	17	14	14	11	20	22	13	17
Dolomite	26	19	10	8	7	21	26	18	18	25
Felspar (including Cornish Stone)	20	29	22	15	39	51	49	39	29	29
Gypsum	73	82	88	79	166	191	171	194	171	206
Limestone (including Sea Shells)	365	471	705	778	817	842	901	990	1,132	953
Magnesite	69	92	128	159	147	214	243	330	283	253
Talcs (including Steatite and Pyrophyllite)	7	10	5	5	5	5	5	7	6	7
Other Non-metallic Minerals	50	63	78	86	69	79	97	106	136	244
Total	1,204	1,487	1,710	1,906	2,096	2,316	2,411	2,632	2,738	2,804
Quarrying for Construction Materials										
Sand and River Gravel—										
River Deposits	298	563	572	662	877	975	1,222	1,543	1,419	1,510
Other Deposits	109	173	157	164	190	196	266	264	325	206
Dimension Stone—										
Granite	53	45	23	5	10	10	8	7	33	41
Sandstone	86	128	155	133	172	173	175	245	228	256
Other	3	14	23	15	36	30	20	31	26	25
Crushed and Broken Stone	1,499	2,227	2,806	3,143	3,751	4,158	4,235	4,410	4,400	5,080
Total	2,048	3,150	3,736	4,122	5,036	5,542	5,926	6,500	6,431	7,118
All Mining and Quarrying Industries										
Total	50,149	71,644	77,165	72,363	78,233	84,295	88,885	83,455	71,636	71,301

No. 7. Minerals Produced: Quantity, Value, and Contents, 1954 to 1959

Quantities and values of minerals produced are recorded in the form (i.e., as ores, concentrates, etc.) in which the material leaves the mine or treatment works situated at or near the mine. Actual production is recorded except where, as indicated by footnote, sales are considered the more appropriate basis. The assayed gross contents, as shown in this table, are re-assembled in Table 8 to show the total estimated "mine production" of each metal or element contained in metallic minerals of all kinds.

Mineral	Unit of Quantity	Quantity						Value (£)					
		1954	1955	1956	1957	1958	1959	1954	1955	1956	1957	1958	1959
Metallic Minerals													
Antimony Ore*	ton	156.1	418.9	467.5	849.5	1,114.3	1,020.9	10,234	30,975	35,056	60,083	86,995	82,240
Antimony Content	ton	82.9	235.2	263.4	484.3	690.9	626.9						
Bauxite	ton	2,429	2,847	4,780	3,248	1,664	4,244	2,748	3,149	4,886	3,188	1,481	3,714
Alumina Content	ton	710	902	1,578	1,354	633	1,648						
Beryllium Ore*	ton	9.3	7.2	7.6	28.9	10.3	47.9	1,599	1,090	1,261	5,467	1,953	8,619
Beryllium Oxide Content	ton	1.2	0.8	0.9	3.5	1.2	5,6						
Chromite	ton	...	...	...	...	39	...	...	...	...	...	561	...
Chromic Oxide Content	ton	...	...	...	...	16.8							
Copper Ore*	ton	11.9	35.0	206.3	8.3	20.6	58.3	341	586	3,783	201	161	528
Copper Content	ton	2.0	2.8	19.4	1.3	1.6	4.4						
Gold Content	oz. fine	...	...	1	1	...	...						
Silver Content	oz. fine	10	...	1,364	25	...	10						
Copper Concentrates	ton	2,032	3,500	4,960	4,764	5,204	4,843	102,537	266,487	271,128	241,226	263,149	235,186
Copper Content	ton	388.5	734.5	993.3	920.9	985.9	877.0						
Gold Content	oz. fine	910	2,417	3,000	3,178	3,197	2,699						
Silver Content	oz. fine	23,173	56,218	72,880	74,565	64,736	56,217						
Copper Precipitates*	ton	99.7	111.2	71.9	69.2	98.6	124.4	15,561	22,213	14,436	10,270	13,922	21,972
Copper Content	ton	64.4	63.3	43.2	41.0	65.9	83.1						
Copper Matte*	ton	...	0.5	...	...	...	...	...	32	...	...	...	...
Copper Content	ton	...	0.1	...	...	...	...						
Gold Content	oz. fine	...	...	...	...	...	...						
Silver Content	oz. fine	...	13	...	...	...	...						
Gold Ore	ton	...	1.5	...	9.8*	...	...	...	49	...	371*	...	...
Gold Content	oz. fine	...	4	...	36	...	...						
Copper Content	ton	...	...	...	...	...	...						
Silver Content	oz. fine	...	...	...	...	...	...						
Gold Concentrates	ton	87	163	107	102	110	...	2,343	4,951	2,682	6,145	4,523	...
Gold Content	oz. fine	243	522	298	540	319	...						
Silver Content	oz. fine	205	429	219	356	336	...						
Copper Content	ton	0.4	0.1	0.4	0.4	0.4	...						

* Despatches from the mine (or sales), as distinct from production.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1954 to 1959 (*continued*)

Mineral	Unit of Quantity	Quantity						Value (£)					
		1954	1955	1956	1957	1958	1959	1954	1955	1956	1957	1958	1959
Metallic Minerals (*continued*)													
Gold: Other Forms†	oz.	23,377	18,813	16,523	17,868	5,436	515	315,819	275,170	245,244	263,365	99,777	7,318
Gold Content	oz. fine	20,852	17,601	15,744	16,840	4,678	461						
Silver Content	oz. fine	517	364	386	577	256	47						
Platinum Content	oz.	...	...	...	...	...	...						
Ilmenite Concentrates*	ton	466	470	981	976	131	230	2,969	2,678	5,400	5,555	569	1,442
Titanium Dioxide Content	ton	210‡	212‡	420‡	485	59	111						
Iron Oxide—													
For Gas Purification	ton	3,426	3,222	3,527	2,749	2,106	1,933	14,343	14,283	16,017	13,210	10,256	9,833
For Cement Manufacture*	ton	...	...	...	...	831	3,281	...	...	...	...	1,657	6,980
For Coal Washing	ton	1,795	183	...	4*	25*	30*	37,355	3,910	...	48*	300*	347*
Lead Concentrates	ton	302,738	304,698	311,852	348,495	327,098	323,633	22,019,837	24,924,259	26,983,006	23,237,355	16,750,550	16,843,680
Lead Content	ton	224,389	225,783	229,991	259,656	241,521	242,323						
Silver Content	oz. fine	7,893,818	7,612,343	8,301,438	9,065,276	8,509,147	8,169,920						
Gold Content	oz. fine	7,469	7,287	8,497	8,872	8,571	8,396						
Antimony Content	ton	613.1	615.1	615.7	724.2	664.4	651.9						
Cadmium Content	ton	66.5	69.1	69.4	76.2	73.9	72.2						
Copper Content	ton	2,126.3	2,067.7	2,692.6	2,869.8	2,507.3	2,323.2						
Sulphur Content	ton	46,336	46,190	47,032	52,595	49,559	48,042						
Lead-Copper Concentrates	ton	1,124	1,269	...	...	...	...	62,000	76,000	...	...	...	...
Lead Content	ton	199	249	...	...	...	...						
Silver Content	oz. fine	141,010	92,452	...	...	...	...						
Gold Content	oz. fine	405	557	...	...	...	...						
Copper Content	ton	188.9	188.5	...	...	...	...						
Sulphur Content	ton	328	370	...	...	..	...						
Lead Concentrates from Slime Dumps*	ton	13,917	10,024	8,757	4,789	...	...	132,594	72,756	40,098	23,756	...	...
Lead Content	ton	1,839	1,075	1,017	508	...	...						
Silver Content	oz. fine	215,047	110,497	72,705	40,954	...	...						
Antimony Content	ton	0.7	...	...	...	...	...						
Copper Content	ton	0.2	...	...	...	...	...						
Lead Slag*	ton	107	115	39	...	...	...	1,405	1,536	285	...	...	...
Lead Content	ton	17	17	4	...	...	...						
Silver Content	oz. fine	1,063	893	256	...	...	...						

* Despatches from the mine (or sales), as distinct from production.
† Bullion, alluvial, retorted gold, etc. The value shown includes subsidy received under Gold-mining Industry Assistance Act, 1954-57.
‡ Estimated.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1954 to 1959 (*continued*)

Mineral	Unit of Quantity	Quantity						Value (£)					
		1954	1955	1956	1957	1958	1959	1954	1955	1956	1957	1958	1959
Metallic Minerals (*continued*)													
Manganese Ore*—													
Battery Grade	ton	867	551	490	546	717	1,206	10,131	6,099	7,376	9,027	13,285	27,013
Manganese Dioxide Content	ton	644	403	349	385	511	898						
Metallurgical Grade	ton	749	1,071	986	917	1,141	1,360	6,580	8,604	10,326	10,090	12,966	18.038
Manganese Content	ton	322	443	436	391	516	620						
Other Grades	ton	...	...	37	...	...	12	...	...	447	...	...	235
Manganese Dioxide Content	ton	...	...	22	...	...	9						
Molybdenite Concentrates*	lb.	...	56	...	...	...	...	...	12	...	...	...	...
Molybdenum Sulphide Content	lb.	...	51	...	...	...	...						
Bismuth Content	lb.	...	...	...	...	...	...						
Monazite Concentrates*	ton	69	117	96	52	226	187	8,485	16,403	14,182	8,241	30,782	19,781
Monazite Content	ton	62	105	87	47	210	173						
Platinum Concentrates*	oz.	32.[1]	7.5	25.7	26.3	28.0	...	894	231	747	630	556	...
Platinum Content	oz.	23.0	6.7	18.2	17.3	21.6	...						
Palladium Content	oz.	0.1	0.02	0.1	0.04	...	...						
Osmiridium Content	oz.	1.9	...	1.8	1.6	1.3	...						
Gold Content	oz. fine	2	0.2	0.4	0.5	...	...						
Pyrite Concentrates	ton	10,736	22,850	1,088*	14,196*	36,730	34,550	57,529	118,187	5,984*	74,733*	179,691	160,117
Sulphur Content	ton	5,334	11,236	540	7,117	17,715	16,577						
Rutile Concentrates	ton	22,734	34,403	64,914	86,155	46,491	46,283	778,933	1,855,785	4,704,116	5,637,281	2,456,225	1,811,377
Titanium Dioxide Content	ton	21,872	33,045	62,470	83,363	44,915	44,792						
Silver-Lead Ore*	ton	1,298	23,129	15,769	9,877	4,231	181	20,309	294,824	224,668	189,189	50,851	2,525
Silver Content	oz. fine	22,918	584,207	424,212	345,953	58,653	5,109						
Lead Content	ton	210	3,110	2,119	1,374	729	33						
Gold Content	oz. fine	5	...	...	...	15	...						
Copper Content	ton	...	...	...	...	...	...						
Silver-Lead Slimes*	ton	...	...	1,497	548	...	...	...	...	15,791	3,795	...	...
Silver Content	oz. fine	...	...	20,408	6,478	...	...						
Lead Content	ton	...	...	221	87	...	...						

* Despatches from the mine (or sales), as distinct from production.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1954 to 1959 (*continued*)

Mineral	Unit of Quantity	Quantity						Value (£)					
		1954	1955	1956	1957	1958	1959	1954	1955	1956	1957	1958	1959
Metallic Minerals (*continued*)													
Tin Concentrates*	ton	377	378	373	297	334	240	211,408	216,150	229,999	173,454	190,332	151,502
Tin Content	ton	272	270	269	211	239	174						
Tin-Tungsten Concentrates*	ton	0.02	...	...	...	...	...	7	...	...	...	...	...
Tin Content	ton	0.01	...	...	...	...	...						
Tungstic Oxide Content	lb.	12	...	...	...	...	...						
Tungsten Concentrates*—													
Scheelite Concentrates	lb.	8,034	8,600	5,215	3,643	3,372	1,359	2,283	3,471	2,389	874	455	204
Tungstic Oxide Content	lb.	6,009	6,438	3,890	2,690	2,504	1,007						
Wolfram Concentrates	lb.	7,184	3,799	8,458	820	...	...	1,574	1,454	3,294	183	...	...
Tungstic Oxide Content	lb.	4,827	2,594	5,787	585	...	...						
Wolfram-Scheelite Concentrates	lb.	11,200	11,792	336	185	...	...	2,365	5,173	84	17	...	...
Tungstic Oxide Content	lb.	8,064	7,898	205	113	...	...						
Zinc Ore*	ton	...	...	...	...	...	...	...	...	...	...	...	...
Zinc Content	ton	...	...	...	...	...	...						
Zinc Concentrates	ton	390,741	408,321	439,566	463,953	408,169	387,452	4,273,255	6,190,873	6,564,535	3,045,436	1,845,327	3,707,318
Zinc Content	ton	202,646	211,478	229,126	241,509	211,667	202,675						
Lead Content	ton	3,738	4,620	4,967	5,303	4,646	4,093						
Sulphur Content	ton	122,314	128,884	139,515	147,892	130,462	124,273						
Silver Content	oz. fine	382,353	365,795	395,715	434,918	359,165	323,500						
Cadmium Content	ton	759.0	725.9	792.4	848.2	738.4	729.0						
Copper Content	ton	411.8	435.1	539.7	548.4	462.3	440.4						
Gold Content	oz. fine	1,488	1,679	1,281	1,575	1,929	1,719						
Cobalt Content	ton	68.5	60.7	59.2	68.1	70.4	60.1						
Manganese Content	ton	4,586	4,592	5,115	5,691	5,494	5,585						
Zircon Concentrates	ton	27,489	32,827	50,660	59,373	32,542	71,777	199,541	245,595	406,313	567,026	249,523	619,719
Zircon Content	ton	27,037	32,465	50,135	58,747	32,230	71,156						
Zircon-Rutile Concentrates*	ton	7,765	12,014	21,972	40,739	34,140	47,448	31,061	51,414	94,422	284,498	221,910	211,144
Zircon Content	ton	2,718	4,205	7,855	14,136	11,949	16,607						
Titanium Dioxide Content	ton	2,640	4,085	7,407	13,311	11,609	16,132						
Total Value, Metallic Minerals	...	...	...	...	...	...	...	28,326,040	34,714,399	39,907,955	33,874,714	22,487,757	23,950,832
Fuel Minerals													
Coal, Black: Bituminous	ton	15,065,979	14,720,084	14,792,853	15,376,240	15,840,550	15,712,440	42,721,684	41,672,424	40,597,166	40,410,926	39,944,372	37,436,654
Sub-bituminous	ton	17,281	16,313	17,312	13,996	10,398	...	40,731	42,984	40,112	38,876	34,822	...
Total Value, Fuel Minerals	...	...	...	...	...	...	...	42,762,415	41,715,408	40,637,278	40,449,802	39,979,194	37,436,654

* Despatches from the mine (or sales), as distinct from production.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1954 to 1959 (*continued*)

Mineral	Unit of Quantity	Quantity						Value (£)					
		1954	1955	1956	1957	1958	1959	1954	1955	1956	1957	1958	1959
Non-metallic Minerals													
Asbestos, Chrysotile: Fibre	ton	607	577	573	559	579	558	56,570	54,172	56,421	65,492	67,985	65,412
Fines	ton	9	13	49	45	57	90	108	147	620	576	711	1,141
Barite	ton	2,000	2,086	1,042	5,415	3,991	60	2,927	3,965	2,363	12,560	9,821	96
Clays—													
Kaolin and Ball Clay—													
For Refractories	ton	11,217	15,092	10,675	12,819	15,613	13,904	28,307	32,964	18,938	23,079	25,059	26,435
For Pottery	ton	4,820	6,289	4,967	4,130	3,173	4,538	12,667	16,513	15,210	16,230	12,406	15,451
For Other Purposes	ton	7,122	5,971	7,365	5,669	4,430	5,446	26,105	21,490	25,675	27,793	23,295	26,957
Other Pottery Clay and Shale	ton	1,886	2,114	2,994	1,561	2,891	1,771	6,349	6,931	8,319	4,448	4,750	796
Bentonitic Clay	ton	63	13	63	73	30	56	305	53	317	368	147	280
Brick Clay and Shale	ton	1,604,409	1,589,262	1,521,267	1,531,572	1,662,832	1,893,440	480,496	511,980	532,483	492,600	559,702	682,478
Cement Clay and Shale	ton	114,254	114,483	115,564	117,100	126,668	121,460	33,013	32,354	29,572	33,561	33,467	43,296
Fireclay	ton	60,038	65,421	82,219	102,508	87,763	89,988	68,361	75,582	84,753	110,311	81,187	75,132
Fuller's Earth	ton	73	60	195	215	120	136	164	158	634	744	510	680
Moulder's Clay	ton	134	227	290	306	...	199	874	1,859	2,763	2,245	...	1,891
Stoneware Clay	ton	109,974	138,924	80,609	75,132	87,975	64,345	46,099	73,150	47,836	53,977	44,151	38,166
Terra Cotta Clay—													
For Roofing Tiles	ton	150,184	142,945	136,757	145,386	137,679	132,111	60,670	64,782	65,366	74,550	76,262	80,714
For Other Purposes	ton	8,027	6,699	4,465	5,197	7,181	7,289	3,775	2,976	2,234	2,723	3,574	4,436
Diamonds, Industrial	carat	1,564	731	383	312	158	37	12,673	7,081	3,834	4,030	1,965	148
Diatomite	ton	3,708	3,629	5,002	4,966	3,100	4,409	13,640	11,391	19,866	21,493	12,901	17,339
Dolomite	ton	3,855	6,354	7,599	5,137	3,957	3,776	6,405	20,508	26,143	18,350	17,503	20,769
Felspar (including Cornish Stone)	ton	9,538	11,608	10,244	6,254	5,302	4,700	38,897	51,110	48,291	33,440	27,011	20,584
Fluorspar	ton	...	...	2	...	...	...	...	...	40	...	...	...
Gems: Opal*	...	...	...	...	...	...	...	661	1,000	2,750	1,500	25,000	23,111
Sapphire	...	...	...	...	...	...	...	...	...	...	...	1,000	1,730
Gypsum : Washed	ton	65,776	68,589	35,089	54,184	47,740	66,215	84,649	96,527	66,029	105,583	95,222	144,166
Unwashed	ton	63,014	67,767	59,114	47,307	42,924	34,928	80,930	94,255	104,751	88,295	75,321	61,489
Total, Gypsum	*ton*	*128,790*	*136,356*	*94,203*	*101,491*	*90,664*	*101,143*	*165,579*	*190,782*	*170,780*	*193,878*	*170,543*	*205,655*
Limestone †	ton	1,485,052	1,649,008	1,689,485	1,891,562	2,056,429	2,050,253	724,735	744,571	852,897	959,965	1,104,513	922,720
Loam, for Foundry Moulding *	ton	16,351	18,283	17,399	16,967	21,505	15,410	11,214	12,806	12,361	12,855	16,712	12,723
Magnesite, Crude	ton	42,825	57,262	63,050	83,271	69,030	59,777	147,578	213,610	242,997	330,020	283,366	253,255

* Incomplete.
† Excludes material used directly as a building or road material—see "Construction Materials" on page 15.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1954 to 1959 (*continued*)

Mineral	Unit of Quantity	Quantity						Value (£)					
		1954	1955	1956	1957	1958	1959	1954	1955	1956	1957	1958	1959
Non-Metallic Minerals (*continued*)													
Mica	ton	7	9	...	...	7	3	88	92	...	...	84	48
Mineral Pigments—													
Brown Umber	ton	16	...	...	...	...	...	87	...	...	...	...	...
Red Ochre	ton	...	...	...	29	15	...	...	...	...	236	122	...
Yellow Ochre	ton	120	57	43	30	13	15	292	137	166	135	67	75
Peat, for Fertilizer	ton	372	280	...	90	...	...	186	140	...	45	...	...
Pebbles, for Grinding	ton	119	164	131	121	121	130	586	1,434	569	582	587	612
Pyrophyllite	ton	184	266	339	358	267	347	1,139	1,687	2,075	2,512	1,868	2,428
Quartz †: For Ferro Alloys ..	ton	...	...	...	...	...	...	...	...	...	...	...	...
For Other Purposes ..	ton	652	451	557	647	705	1,674	2,284	1,570	1,005	1,371	2,085	5,647
Quartzite †—													
For Ferro Alloys	ton	9,311	6,185	3,255	1,255	2,069	...	8,108	6,340	3,377	1,309	2,147	...
For Silica Bricks	ton	23,394	24,922	29,697	33,202	31,304	38,619	32,833	30,522	47,729	59,297	60,502	75,447
For Other Purposes	ton	153	139	112	105	74	141	382	416	404	346	228	441
Sand †: Foundry Sand *	ton	545	6,621	3,515	6,199	5,081	4,579	695	6,319	4,930	8,065	6,681	4,875
Glass Sand *	ton	61,390	38,517	70,484	69,268	75,120	78,511	20,461	10,560	24,565	26,957	39,814	122,209
Other Sand *	ton	1,680	1,340	1,410	1,791	2,610	506	1,387	1,823	2,401	3,369	9,936	1,220
Sandstone†—													
Grinding Stones	ton	218	272	110	94	204	59	2,447	4,168	2,142	1,358	2,128	576
For Foundry Sand	ton	3,432	5,275	3,546	6,839	3,190	1,479	2,601	3,911	2,652	4,271	2,313	1,920
For Other Purposes	ton	1,256	1,677	1,070	763	145	350	2,327	3,000	2,317	1,695	316	887
Sea Shells—													
For Cement	ton	52,819	34,057	3,739	...	...	...	58,988	62,015	8,208	...	...	...
For Other Purposes*	ton	6,346	6,565	6,720	4,889	4,593	5,634	33,670	35,573	40,198	30,138	28,359	34,825
Serpentine, for Refractories ..	ton	758	927	910	781	965	920	717	859	842	742	796	759
Sillimanite	ton	1,370	1,987	1,585	1,491	863	46	6,850	9,935	9,103	8,573	5,504	309
Slate, for Filler	ton	204	369	150	105	15	...	612	1,107	450	315	46	...
Talc (including Steatite)	ton	932	817	673	1,020	998	1,089	4,273	3,588	2,344	4,546	4,013	5,064
Trachyte (for Grinding Stones) ..	ton	13	...	...	...	...	...	66	...	...	...	...	...
Total Value, Non-metallic Minerals	...	...	...	...	...	...	...	2,129,251	2,337,131	2,428,940	2,652,650	2,771,137	2,798,737

* Incomplete.
† Excludes material used directly as a building or road material—see "Construction Materials" on next page.

No. 7. Minerals Produced: Quantity, Value, and Contents, 1954 to 1959 (*continued*)

Mineral	Unit of Quantity	Quantity						Value (£)					
		1954	1955	1956	1957	1958	1959	1954	1955	1956	1957	1958	1959
Construction Materials													
Crushed and Broken Stone—													
Basalt	ton	1,636,901	2,091,112	1,742,292	1,759,633	1,857,709	2,236,534	1,293,344	1,587,598	1,396,363	1,436,122	1,532,250	1,808,092
Granite	ton	41,235	46,244	39,127	56,107	60,345	76,177	72,594	89,836	76,063	84,947	104,570	146,378
Limestone	ton	40,360	82,148	84,161	87,289	148,756	51,523	44,396	77,728	64,245	43,976	50,789	59,630
Marble	ton	...	729	1,096	1,081	...	235	...	73	151	148	...	892
Sandstone	ton	10,120	17,706	41,208	56,640	30,977	52,029	10,565	14,750	37,009	54,812	25,247	44,565
Unspecified	ton	10,894	28,262	87,120	19,869	8,929	24,393	14,016	23,064	81,966	29,206	11,908	25,257
Dimension Stone—													
Building Stone: Rough—													
Basalt	ton	41,425	39,862	26,103	34,377	25,348	18,675	26,756	31,050	17,298	24,906	16,913	17,520
Granite	ton	7,012	2,308	727	1,536	26,896	50,662	6,898	7,313	4,548	2,822	31,985	40,260
Limestone	ton	...	585	...	...	...	...	...	540	...	...	...	...
Marble	ton	446	...	...	...	87	35	9,586	...	...	...	466	288
Sandstone	ton	26,215	50,789	43,295	50,229	61,112	57,129	23,597	40,234	43,423	47,397	26,295	24,846
Unspecified	ton	2,140	...	2,650	2,396	2,037	1,570	645	...	1,348	1,123	1,095	740
Building Stone: Dressed—													
Basalt	ton	...	...	...	...	...	15	...	...	...	...	...	612
Sandstone	ton	15,002	12,814	12,316	20,536	23,435	24,520	135,525	113,553	112,102	176,869	179,958	194,583
Monumental Stone: Rough—													
Basalt	ton	2	...	28	...	9	...	6	...	77	...	25	...
Granite	ton	747	734	675	911	187	120	3,356	3,135	3,403	3,643	1,146	1,342
Marble	ton	...	...	175	859	468	481	...	...	699	3,438	5,908	668
Sandstone	ton	543	556	391	356	550	329	2,233	2,288	1,473	1,331	2,046	1,245
Monumental Stone: Dressed—													
Basalt	ton	23	...	...	19	26	...	740	...	...	835	1,297	...
Granite	ton	60	22	...	78	...	...	22	108	...	1,151	...	...
Marble	ton	...	...	...	...	...	322	...	...	...	...	...	5,105
Sandstone	ton	80	...	...	12	...	...	2,650	...	...	844	...	...
Curbing and Flagging													
Basalt	ton	48	...	...	248	3,523	...	532	...	...	4,286	5,638	...
Sandstone	ton	1,296	2,645	2,352	3,240	3,179	3,362	5,769	12,792	20,338	20,732	17,197	24,540
River Gravel and Gravel Boulders	ton	1,288,322	1,513,740	1,895,200	1,624,339	1,580,187	1,408,280	731,200	798,054	966,330	1,183,465	1,082,732	1,081,818
Sand: River Sand *	ton	694,035	707,931	966,611	1,095,100	1,010,912	1,227,756	216,424	256,757	334,659	385,875	364,189	494,787
Other *	ton	750,138	653,756	714,238	681,136	779,238	917,182	210,855	240,893	289,564	306,309	331,660	311,341
Other Road Material	ton	10,013,317	10,214,929	10,834,845	11,895,873	12,172,687	13,034,079	2,203,761	2,228,375	2,459,324	2,663,469	2,604,933	2,830,542
Total Value, Construction Materials	...	...	...	...	...	...	...	5,015,470	5,528,141	5,910,383	6,477,706	6,398,247	7,115,051
All Mining and Quarrying													
Total Value of Output	...	...	...	...	...	...	...	78,233,176	84,295,079	88,884,556	83,454,872	71,636,335	71,301,274

* Incomplete.

No. 8. Contents of Metallic Minerals Produced, 1950 to 1959

The contents of metallic minerals produced in N.S.W., as set out in Table 7, are re-assembled below to show the " mine production " of each metal or element for which the ores, concentrates, etc., are to be further treated. These totals represent gross contents, as determined by assay, and make no allowance for losses in smelting and refining. The quantities shown are therefore, in general, greater than those actually recoverable. The dissection between contents " Available for Recovery in Australia " and " Destined for Export in Ores, etc. " is based on preliminary advices received from producers or ore buyers.

Mineral in which Contained	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959		
	Total	Total	Total	Total	Total	Total	Total	Total	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total
Antimony (tons)												
Antimony Ore	90.1	121.5	67.8	39.2	82.9	235.2	263.4	484.3	690.9	626.9	...	626.9
Antimony-Gold Ore	44.3	29.5	13.7	...	...	...	...	...	...	...	...	...
Lead Concentrates	456.7	483.5	493.8	570.4	613.1	615.1	615.7	724.2	664.4	524.8	127.1	651.9
Lead Concentrates, from Slime Dumps	0.2	4.7	8.2	7.1	0.7	...	...	...	...	...	...	...
Total Antimony	591.3	639.2	583.5	616.7	696.7	850.3	879.1	1,208.5	1,355.3	1,151.7	127.1	1,278.8
Bismuth (lb.)												
Bismuth Concentrates	423	...	2,980	174	...	...	...	...	...	...	...	...
Bismuth-Wolfram Concentrates	1,459	2,492	144	147	...	...	...	...	...	...	...	...
Total Bismuth	1,882	2,492	3,124	321	...	...	...	...	...	...	...	...
Cadmium (tons)												
Lead Concentrates	46.3	44.7	45.8	60.2	66.5	69.1	69.4	76.2	73.9	54.9	17.3	72.2
Zinc Concentrates	507.4	517.5	544.4	664.0	759.0	725.9	792.4	848.2	738.4	356.6	372.4	729.0
Total Cadmium	553.7	562.2	590.2	724.2	825.5	795.0	861.8	924.4	812.3	411.5	389.7	801.2
Cobalt (tons)												
Zinc Concentrates	42.5	42.2	53.9	52.7	68.5	60.7	59.2	68.1	70.4	24.1	36.0	60.1
Total Cobalt	42.5	42.2	53.9	52.7	68.5	60.7	59.2	68.1	70.4	24.1	36.0	60.1
Copper (tons)												
Copper Ore	14.5	18.0	11.9	21.3	2.0	2.8	19.4	1.3	1.6	4.4	...	4.4
Copper Concentrates	1,828.0	1,718.8	1,589.9	825.0	388.5	734.5	993.3	920.9	985.9	877.0	...	877.0
Copper Matte	...	...	...	0.1	...	0.1	...	...	...	...	...	...
Copper Precipitates	169.3	102.1	69.6	63.9	64.4	63.3	43.2	41.0	65.9	83.1	...	83.1
Copper Slag	2.1	...	...	...	...	...	...	...	...	...	...	...
Gold Ore	1.5	...	...	...	...	...	...	...	...	...	...	...
Gold Concentrates	...	3.8	0.7	1.3	0.4	0.1	0.4	0.4	0.4	...	...	...
Gold Matte	0.1	0.2	0.5	...	...	...	...	...	...	...	...	...
Gold Slag	0.3	0.1	0.2	...	...	...	...	...	...	...	...	...
Lead Concentrates	1,589.1	1,526.6	1,592.9	2,180.0	2,126.3	2,067.7	2,692.6	2,869.8	2,507.3	1,788.7	534.5	2,323.2
Lead-Copper Concentrates	...	...	...	137.0	188.9	188.5	...	...	...	...	...	...
Lead Concentrates, from Slime Dumps	0.1	1.1	2.7	2.4	0.2	...	...	...	...	...	...	...
Silver-Lead Matte	...	0.1	...	...	...	...	...	...	...	...	...	...
Silver-Lead Ore	...	...	4.7	...	...	...	...	...	...	...	...	...
Zinc Concentrates	288.3	308.1	289.0	395.0	411.8	435.1	539.7	548.4	462.3	185.6	254.8	440.4
Total Copper	3,893.3	3,678.9	3,562.1	3,626.0	3,182.5	3,492.1	4,288.6	4,381.8	4,023.4	2,938.8	789.3	3,728.1

No. 8. Contents of Metallic Minerals Produced, 1950 to 1959 (*continued*)

Mineral in which Contained	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959		
	Total	Total	Total	Total	Total	Total	Total	Total	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total
Gold (oz. fine)												
Antimony-Gold Ore	150	107	122	...	...	...	...	...	...	...	...	...
Bismuth-Wolfram Concentrates	...	1	...	...	...	...	...	...	...	...	...	...
Copper Ore	4	3	1	1	...	...	1	1	...	...	...	...
Copper Concentrates	5,525	5,094	4,623	2,431	910	2,417	3,000	3,178	3,197	2,699	...	2,699
Copper Slag	2	...	...	...	...	...	...	...	...	...	...	...
Gold Ore	41	127	7	...	...	4	...	36	...	...	...	...
Gold Concentrates	1,057	821	546	578	243	522	298	540	319	...	...	...
Gold Matte	23	53	59	...	...	...	...	...	...	...	...	...
Gold Slag	272	291	265	...	...	...	...	...	...	...	...	...
Gold Classifier Sands	...	24	277	...	...	...	...	...	...	...	...	...
Gold: Other Forms	35,617	34,898	25,667	13,837	20,852	17,601	15,744	16,840	4,678	461	...	461
Lead Concentrates	6,876	5,899	6,048	7,403	7,469	7,287	8,497	8,872	8,571	5,526	2,870	8,396
Lead-Copper Concentrates	...	...	...	278	405	557	...	...	...	...	...	...
Platinum Concentrates	2	1	...	...	2	...	...	1	...	...	...	...
Silver Ore	60	11	...	...	...	...	...	...	...	...	...	...
Silver-Lead Ore	26	15	12	7	5	...	...	...	15	...	...	...
Silver-Lead Matte	...	2	...	...	...	...	...	...	...	...	...	...
Silver Sludge	...	...	1	1	...	...	...	...	...	...	...	...
Zinc Concentrates	1,695	1,563	1,402	1,925	1,488	1,679	1,281	1,575	1,929	716	1,003	1,719
Total Gold	51,350	48,910	39,030	26,461	31,374	30,067	28,821	31,043	18,709	9,402	3,873	13,275
Lead (tons)												
Lead Concentrates	170,961	161,241	165,169	209,943	224,389	225,783	229,991	259,656	241,521	186,754	55,569	242,323
Lead Copper Concentrates	...	...	...	123	199	249	...	...	...	...	...	...
Lead Concentrates, from Slime Dumps	144	2,707	4,261	3,641	1,839	1,075	1,017	508	...	...	...	...
Lead Concentrates: Mill Salvage	21	70	...	...	...	...	...	...	...	...	...	...
Lead Slag	6	8	14	18	17	17	4	...	...	...	...	...
Silver-Lead Ore	1,289	1,760	1,016	151	210	3,110	2,119	1,374	729	33	...	33
Silver-Lead Slimes	...	...	...	5	...	...	221	87	...	...	...	...
Zinc Concentrates	3,154	2,780	2,973	3,693	3,738	4,620	4,967	5,303	4,646	1,815	2,278	4,093
Total Lead	175,575	168,566	173,433	217,574	230,392	234,854	238,319	266,928	246,896	188,602	57,847	246,449
Molybdenum (lb. Molybdenum Sulphide)												
Molybdenite Concentrates	...	2,456	54	...	...	51	...	...	...	...	...	...
Total Molybdenum	...	2,456	54	...	...	51	...	...	...	...	...	...
Platinum (oz.)												
Gold: Other Forms	0.9	0.1	...	...	...	...	...	...	...	...	...	...
Platinum Concentrates	15.7	7.8	...	...	23.0	6.7	18.2	17.3	21.6	...	...	...
Total Platinum	16.6	7.9	...	...	23.0	6.7	18.2	17.3	21.6	...	...	...
Rutile (tons Titanium Dioxide)												
Rutile Concentrates	10,209	22,311	23,657	21,223	21,872	33,045	62,470	83,363	44,915	*	*	44,792
Zircon-Rutile Concentrates	...	644	4,234	1,215	2,640	4,085	7,407	13,311	11,609	*	*	16,132
Ilmenite Concentrates	21†	345†	13†	...	210†	212†	420†	485	59	*	*	111
Total Rutile	10,230	23,300	27,904	22,438	24,722	37,342	70,297	97,159	56,583	*	*	61,035

* Not available—mainly "Destined for Export"
† Estimated.

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No. 8. Contents of Metallic Minerals Produced, 1950 to 1959 (*continued*)

Mineral in which Contained	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959		
	Total	Total	Total	Total	Total	Total	Total	Total	Total	Available for Recovery in Australia	Destined for Export in Ores, etc.	Total
Silver (oz. fine)												
Bismuth-Wolfram Concentrates	81	124	...	...	...	...	...	...	...	...	...	...
Copper Ore	25	172	55	42	10	...	1,364	25	...	10	...	10
Copper Concentrates	89,760	70,325	68,521	61,261	23,173	56,218	72,880	74,565	64,736	56,217	...	56,217
Copper Matte	...	...	...	3	...	13	...	...	...	...	...	...
Copper Slag	38	...	...	...	...	...	...	...	...	...	...	...
Gold Ore	106	...	6	...	...	...	...	...	...	...	...	...
Gold Concentrates	917	736	438	407	205	429	219	356	336	...	...	...
Gold Matte	456	876	882	...	...	...	...	...	...	...	...	...
Gold Slag	191	99	59	...	...	...	...	...	...	...	...	...
Gold Classifier Sands	...	2	25	...	...	...	...	...	...	...	...	...
Gold: Other Forms	1,984	1,383	789	320	517	364	386	577	256	47	...	47
Lead Concentrates	6,341,193	5,906,351	6,229,789	7,387,843	7,893,818	7,612,343	8,301,438	9,065,276	8,509,147	6,783,549	1,386,371	8,169,920
Lead-Copper Concentrates	...	...	...	76,112	141,010	92,452	...	...	...	...	...	...
Lead Concentrates, from Slime Dumps	8,394	106,577	135,026	157,355	215,047	110,497	72,705	40,954	...	...	...	...
Lead Concentrates: Mill Salvage	1,769	5,531	...	...	...	...	...	...	...	...	...	...
Lead Slag	105	445	800	1,059	1,063	893	256	...	...	...	...	...
Silver Ore	25,786	4,420	3,337	...	...	...	...	...	...	...	...	...
Silver-Lead Ore	80,126	129,263	58,731	14,784	22,918	584,207	424,212	345,953	58,653	5,109	...	5,109
Silver-Lead Slimes	...	...	...	542	...	...	20,408	6,478	...	...	...	...
Silver-Lead Matte	...	240	...	...	...	...	...	...	...	...	...	...
Silver Bullion	...	...	60	109	...	...	...	...	...	...	...	...
Silver Sludge	...	...	6,858	8,051	...	...	...	...	...	...	...	...
Zinc Ore	...	...	192	...	...	...	...	...	...	...	...	...
Zinc Concentrates	296,755	252,949	250,686	361,125	382,353	365,795	395,715	434,918	359,165	200,649	123,251	323,900
Total Silver	6,847,686	6,479,493	6,756,254	8,069,013	8,680,114	8,823,211	9,289,583	9,969,102	8,992,293	7,045,581	1,509,622	8,555,203
Sulphur (tons)												
Lead-Copper Concentrates	...	...	...	225	328	370	...	...	...	...	...	...
Lead Concentrates	36,715	33,953	35,103	44,431	46,336	46,190	47,032	52,595	49,559	36,135	11,907	48,042
Pyrite Concentrates	12,453	10,355	11,539	9,558	5,334	11,236	540	7,117	17,715	16,577	...	16,577
Zinc Concentrates	87,300	86,816	89,664	115,236	122,314	128,884	139,515	147,892	130,462	56,556	67,717	124,273
Total Sulphur	136,468	131,124	136,306	169,453	174,312	186,680	187,087	207,604	197,736	109,268	79,624	188,892
Tin (tons)												
Tin Concentrates	482	411	393	339	272	270	269	211	239	174	...	174
Tin-Tungsten Concentrates	...	2	3	3	...	...	...	...	...	...	...	...
Total Tin	482	413	396	342	272	270	269	211	239	174	...	174
Tungsten (lb. Tungstic Oxide)												
Bismuth-Wolfram Concentrates	660	2,231	2,123	1,784	...	...	...	...	...	...	...	...
Scheelite Concentrates	14,448	12,777	13,016	9,273	6,009	6,438	3,890	2,690	2,504	...	1,007	1,007
Tin-Tungsten Concentrates	...	12,447	10,782	9,784	12	...	...	...	...	...	...	...
Wolfram Concentrates	2,395	19,303	46,603	38,880	4,827	2,594	5,787	585	...	...	...	...
Wolfram-Scheelite Concentrates	...	...	...	68,023	8,064	7,898	205	113	...	...	...	...
Total Tungsten	17,503	46,758	72,524	127,744	18,912	16,930	9,882	3,388	2,504	...	1,007	1,007
Zinc (tons)												
Zinc Ore	...	27	5	...	...	...	...	...	...	...	...	...
Zinc Concentrates	144,225	143,086	147,650	189,526	202,646	211,478	229,126	241,509	211,667	91,933	110,742	202,675
Total Zinc	144,225	143,113	147,655	189,526	202,646	211,478	229,126	241,509	211,667	91,933	110,742	202,675

No. 9. Mine Production* of Principal Metals and Sulphur, 1950 to 1959

Year	Antimony	Cadium	Cobalt	Copper	Gold	Lead
	Tons	Tons	Tons	Tons	Oz. fine	Tons
1950	591.3	553.7	42.5	3,893.3	51,350	175,575
1951	639.2	562.2	42.2	3,678.9	48,910	168,566
1952	583.5	590.2	53.9	3,562.1	39,030	173,433
1953	616.7	724.2	52.7	3,626.0	26,461	217,574
1954	696.7	825.5	68.5	3,182.5	31,374	230,392
1955	850.3	795.0	60.7	3,492.1	30,067	234,854
1956	879.1	861.8	59.2	4,288.6	28,821	238,319
1957	1,208.5	924.4	68.1	4,381.8	31,043	266,928
1958	1,355.3	812.3	70.4	4,023.4	18,709	246,896
1959	1,278.8	801.2	60.1	3,728.1	13,275	246,449

Year	Rutile †	Silver	Sulphur	Tin	Tungsten	Zinc
	Tons TiO_2	Oz. fine	Tons	Tons	lb. WO_3	Tons
1950	10,230	6,847,686	136,468	482	17,503	144,225
1951	23,300	6,479,493	131,124	413	46,758	143,113
1952	27,904	6,756,254	136,306	396	72,524	147,655
1953	22,438	8,069,013	169,453	342	127,744	189,526
1954	24,722	8,680,114	174,312	272	18,912	202,646
1955	37,342	8,823,211	186,680	270	16,930	211,478
1956	70,297	9,289,583	187,087	269	9,882	229,126
1957	97,159	9,969,102	207,604	211	3,388	241,509
1958	56,583	8,992,293	197,736	239	2,504	211,667
1959	61,035	8,555,203	188,892	174	1,007	202,675

* These are gross contents of metallic minerals produced, as determined by assay, and make no allowance for losses in smelting and refining. The quantities shown are therefore, in general, greater than those actually recoverable.

† Revised since last issue.

No. 10. London Metal Prices*, 1939 to 1959

Year	Copper (Electrolytic)	Silver	Lead	Zinc (Virgin)	Tin
	£ s. d. per ton	s. d. per oz. fine	£ s. d. per ton		
1939	49 16 10	1 10.02	15 13 2	14 13 3	226 5 8
1949	133 1 11	4 1.24	103 3 11	87 8 6	599 16 1
1950	178 17 1	5 4.80	106 8 2	119 4 3	745 16 9
1951	220 7 1	6 5.86	161 19 10	171 12 3	1,079 16 0
1952	259 7 10	6 2.36	135 0 0	149 10 2	964 10 1
1953	254 7 8	6 1.95	91 7 2	75 1 3	730 14 11
1954	248 11 9	6 1.48	96 7 1	78 4 8	718 18 3
1955	351 8 4	6 5.51	105 17 8	90 13 10	740 4 8
1956	328 18 6	6 7.13	116 6 7	97 15 4	787 13 5
1957	219 9 10	6 6.93	96 13 4	81 12 4	754 16 10
1958	197 7 8	6 4.21	72 16 1	65 18 1	735 0 8
1959	237 15 2	6 6.82	70 15 9	82 2 6	785 4 2

* Spot prices, averages of buyers' and sellers' quotes. The prices are annual averages, quoted in sterling.

No. 11. Prices of Metals in Australia*, 1939 to 1959

At 31st December	Copper (Electrolytic)	Lead	Zinc (Electrolytic)	Tin
	£ s. d. per ton			
1939	63 17 6	20 17 6	20 2 6	299 0 0
1949	170 0 0	35 0 0	40 0 0	620 0 0
1950	230 0 0	65 0 0	65 0 0	800 0 0
1951	285 0 0	65 0 0	65 0 0	1,150 0 0
1952	350 0 0	95 0 0	95 0 0	1,150 0 0
1953	300 0 0	106 17 6	90 0 0	817 0 0
1954	350 0 0	126 17 6	105 17 6	889 15 0
1955	477 5 0	141 0 0	124 10 0	1,053 15 0
1956	357 0 0	141 2 6	127 7 6	1,029 0 0
1957	330 0 0	87 5 0	79 12 6	967 0 0
1958	293 0 0	100 0 0	100 0 0	1,034 0 0
1959	338 0 0	100 0 0	118 0 0	1,042 0 0

* Home consumption selling prices ruling at end of year. The bases are—Copper: ex works, Port Kembla; Lead: f.o.b. Port Pirie; Zinc: f.o.b. Risdon; Tin: ex works, Sydney. Price controls, imposed on these metals in December, 1939, were removed from Lead, Zinc, and Tin in April, 1953, and from Copper in October, 1954.

The official price of gold has been £15 12s. 6d. per ounce fine since May, 1954.

No. 12. Coal Produced, 1949 to 1959

Year	Underground Mines				Open Cut Mines				Total, All Mines			
	Northern District	Southern District	Western District	Total, N.S.W.	Northern District	Southern District	Western District	Total, N.S.W.	Northern District	Southern District	Western District	Total, N.S.W.
	Thousand tons											
1949	6,191	1,908	1,289	9,388	629	...	719	1,348	6,820	1,908	2,008	10,736
1950	7,395	2,395	1,407	11,197	932	8	661	1,601	8,327	2,403	2,068	12,798
1951	7,314	2,505	1,405	11,224	1,244	3	1,042	2,289	8,558	2,508	2,447	13,513
1952	8,228	2,776	1,488	12,492	1,398	...	1,132	2,530	9,626	2,776	2,620	15,022
1953	7,956	3,009	1,487	12,452	1,086	...	636	1,722	9,042	3,009	2,123	14,174
1954	8,627	3,366	1,710	13,703	919	...	461	1,380	9,546	3,366	2,171	15,083
1955	8,484	3,595	1,756	13,835	806	...	95	901	9,290	3,595	1,851	14,736
1956	8,360	3,982	1,658	14,000	810	...	...	810	9,170	3,982	1,658	14,810
1957	8,480	4,556	1,626	14,662	728	...	...	728	9,208	4,556	1,626	15,390
1958	8,864	4,693	1,574	15,131	720	...	...	720	9,584	4,693	1,574	15,851
1959	8,904	4,812	1,562	15,278	434	...	...	434	9,338	4,812	1,562	15,712

No. 13. Manshifts Worked and Lost in Coal Mines, 1949 to 1959

Year	Manshifts Worked				Manshifts Lost				Manshifts Possible			
	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts
	Thousand Manshifts											
Underground Mines												
1949	2,213	659	349	3,221	784	215	103	1,102	2,997	874	452	4,323
1950	2,671	739	382	3,792	548	129	64	741	3,219	868	446	4,533
1951	2,680	734	374	3,788	524	127	66	717	3,204	861	440	4,505
1952	2,889	864	407	4,160	488	124	67	679	3,377	988	474	4,839
1953	2,774	865	404	4,043	511	143	73	727	3,285	1,008	477	4,770
1954	2,870	909	442	4,221	498	142	62	702	3,368	1,051	504	4,923
1955	2,760	891	431	4,082	501	142	61	704	3,261	1,033	492	4,786
1956	2,615	958	371	3,944	380	161	46	587	2,995	1,119	417	4,531
1957	2,362	991	322	3,675	346	166	37	549	2,708	1,157	359	4,224
1958	2,184	1,013	284	3,481	275	149	25	449	2,459	1,162	309	3,930
1959	1,870	983	263	3,116	181	139	24	344	2,051	1,122	287	3,460
Open Cut Mines												
1949	74	...	93	167	16	...	21	37	90	...	114	204
1950	98	*	94	192	8	*	14	22	106	*	108	214
1951	135	*	151	286	14	*	14	28	149	*	165	314
1952	176	...	144	320	16	...	17	33	192	...	161	353
1953	125	...	77	202	8	...	6	14	133	...	83	216
1954	104	...	50	154	8	...	3	11	112	...	53	165
1955	88	...	10	98	10	...	...	10	98	...	10	108
1956	78	...	...	78	5	...	...	5	83	...	...	83
1957	65	...	...	65	4	...	...	4	69	...	...	69
1958	70	...	...	70	3	...	...	3	73	...	...	73
1959	35	...	...	35	2	...	...	2	37	...	...	37

* Less than one thousand.

No. 14. Coal Produced per Manshift Worked, 1949 to 1959

The following statistics were compiled by the Joint Coal Board. They exclude mines in course of development prior to commencement of coal production.

Year	Underground Mines								Open Cut Mines			
	Production per Manshift worked at Coal Face *				Production per Manshift worked by All Persons Employed				Production per Manshift worked by All Persons Employed			
	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts	Northern District	Southern District	Western District	All Districts
	Tons											
1949	9.43	10.68	10.71	9.83	2.80	2.89	3.70	2.91	7.85	...	7.24	7.49
1950	9.66	11.95	11.40	10.28	2.77	3.24	3.68	2.95	9.46	21.07	7.08	8.33
1951	10.08	12.82	12.11	10.82	2.73	3.42	3.75	2.96	9.24	33.94	6.91	8.02
1952	9.34*	12.14*	11.30*	10.06*	2.85	3.21	3.66	3.00	7.93	...	7.90	7.92
1953	8.80	12.89	10.39	9.72	2.87	3.48	3.68	3.08	8.68	...	8.24	8.51
1954	9.23	13.34	10.59	10.16	3.01	3.70	3.87	3.25	8.84	...	9.24	8.97
1955	9.59	14.63	11.27	10.76	3.07	4.03	4.08	3.39	9.14	...	9.50	9.18
1956	10.13	14.53	13.23	11.43	3.20	4.16	4.47	3.55	10.36	...	...	10.36
1957	11.89	15.64	15.17	13.19	3.59	4.60	5.05	3.99	11.11	...	...	11.11
1958	13.51	15.74	17.40	14.48	4.06	4.63	5.55	4.35	11.31	...	...	11.31
1959	18.02	18.04	18.47	18.07	4.76	4.89	5.95	4.90	12.47	...	...	12.47

* In 1952, the definition of " at the coal face " was clarified, resulting in a substantial increase in the number of employees included in this category and, consequently, an apparent decrease in production per manshift.

No. 15. Coal Mining: Persons Employed, 1949 to 1959

Underground and Open Cut Mines

Year	Number at end of year				Average Number			
	Northern District	Southern District	Western District	Total, N.S.W.	Northern District	Southern District	Western District	Total, N.S.W.
1949	12,696	3,413	2,280	18,389	12,572	3,442	2,231	18,245
1950	12,905	3,334	2,130	18,369	12,786	3,382	2,170	18,338
1951	13,173	3,407	2,446	19,026	13,029	3,328	2,340	18,697
1952	13,863	4,071	2,376	20,310	13,837	3,846	2,468	20,151
1953	13,719	4,095	2,142	19,956	13,670	4,054	2,237	19,961
1954	13,345	4,103	2,099	19,547	13,649	4,181	2,149	19,979
1955	12,692	4,121	1,685	18,498	13,197	4,115	1,948	19,260
1956	11,740	4,363	1,610	17,713	11,985	4,305	1,628	17,918
1957	10,328	4,465	1,223	16,016	10,830	4,411	1,381	16,622
1958	8,835	4,359	1,155	14,349	9,826	4,453	1,184	15,463
1959	7,976	4,218	1,071	13,265	8,037	4,311	1,097	13,445

No. 16. Coal Mining: Classification of Persons Employed, 1955 to 1959

Particulars	Number Employed at End of Year					Average Number Employed				
	1955	1956	1957	1958	1959	1955	1956	1957	1958	1959
Underground Mines										
Northern District—										
Below Ground	8,466	7,738	6,660	5,473	4,818	8,837	7,947	7,041	6,255	4,857
Above Ground	3,895	3,693	3,393	3,144	3,041	3,980	3,718	3,524	3,314	3,031
Total	*12,361*	*11,431*	*10,053*	*8,617*	*7,859*	*12,817*	*11,665*	*10,565*	*9,569*	*7,888*
Southern District—										
Below Ground	2,869	3,076	3,193	3,069	2,867	2,849	3,024	3,131	3,169	3,000
Above Ground	1,252	1,287	1,272	1,290	1,351	1,266	1,281	1,280	1,284	1,311
Total	*4,121*	*4,363*	*4,465*	*4,359*	*4,218*	*4,115*	*4,305*	*4,411*	*4,453*	*4,311*
Western District—										
Below Ground	1,097	1,055	787	737	675	1,248	1,062	903	757	698
Above Ground	588	555	436	418	396	660	566	478	427	399
Total	*1,685*	*1,610*	*1,223*	*1,155*	*1,071*	*1,908*	*1,628*	*1,381*	*1,184*	*1,097*
Total, N.S.W.—										
Below Ground	12,432	11,869	10,640	9,279	8,360	12,934	12,033	11,075	10,181	8,555
Above Ground	5,735	5,535	5,101	4,852	4,788	5,906	5,565	5,282	5,025	4,741
Total	18,167	17,404	15,741	14,131	13,148	18,840	17,598	16,357	15,206	13,296
Open Cut Mines										
Northern District	331	309	275	218	117	380	320	265	257	149
Southern District	...	...	...	...	...	...	...	...	...	...
Western District	...	...	...	...	...	40	...	...	...	...
Total, N.S.W.	331	309	275	218	117	420	320	265	257	149
Underground and Open Cut Mines										
Northern District	12,692	11,740	10,328	8,835	7,976	13,197	11,985	10,830	9,826	8,037
Southern District	4,121	4,363	4,465	4,359	4,218	4,115	4,305	4,411	4,453	4,311
Western District	1,685	1,610	1,223	1,155	1,071	1,948	1,628	1,381	1,184	1,097
Total, N.S.W.	18,498	17,713	16,016	14,349	13,265	19,260	17,918	16,622	15,463	13,445

No. 17. Underground Coal Mines Classified according to Gross Output, 1959

Gross Output	Northern District			Southern District			Western District			New South Wales		
	Number of Mines	Average Number of Persons Employed during Year *	Gross Output	Number of Mines	Average Number of Persons Employed during Year	Gross Output	Number of Mines	Average Number of Persons Employed during Year	Gross Output	Number of Mines	Average Number of Persons Employed during Year *	Gross Output
Tons			Thous. tons			Thous. tons			Thous. tons			Thous. tons
1 to 10,000	4	18	14	3	25	12	2	8	9	9	51	35
10,001 to 50,000	13	246	237	6	141	128	12	175	312	31	562	677
50,001 to 100,000	8	831	575	3	263	226	4	190	308	15	1,284	1,109
100,001 to 200,000	15	2,234	2,054	8	1,280	1,080	2	116	211	25	3,630	3,345
200,001 to 400,000	15	2,914	4,296	4	910	1,032	3	608	722	22	4,432	6,050
Over 400,000	3	1,616	1,728	5	1,692	2,334	...	...	...	8	3,308	4,062
Total	58	7,859	8,904	29	4,311	4,812	23	1,097	1,562	110	13,267	15,278

* Excludes persons employed in central screening and washing plants at rail sidings (29 in Northern District).

No. 18. Average Value of Coal per ton at Pit-top*, 1939 to 1959

Year	Northern District	Southern District	Western District	New South Wales	Year	Northern District	Southern District	Western District	New South Wales
	s. d.	s. d.	s. d.	s. d.		s. d.	s. d.	s. d.	s. d.
1939	12 7	14 5	10 8	12 8	1950	36 5	39 1	29 4	35 10
1941	14 6	16 7	12 0	14 7	1951	51 5	50 8	42 10	49 8
1942	15 11	18 8	13 6	16 1	1952	62 3	60 3	56 7	61 2
1943	16 10	20 1	14 9	17 2	1953	62 1	61 0	56 9	61 1
1944	17 7	21 2	15 0	17 10	1954	60 3	59 0	57 3	59 7
1945	18 7	21 11	15 4	18 7	1955	59 11	58 10	55 9	59 2
1946	18 8	23 1	15 7	18 10	1956	59 3	58 1	55 1	58 6
1947	20 11	23 11	16 10	20 9	1957	58 3	55 7	50 7	56 9
1948	26 1	29 11	20 6	25 8	1958	56 1	55 0	47 5	54 10
1949	31 8	34 10	22 6	30 3	1959	52 5	54 4	47 6	52 7

* Based on value of saleable coal at pit-top (or at screens or mine-washeries where these are situated at a distance from the mines). This excludes miners' coal, coal consumed at collieries, and refuse discarded at mine-washeries. Coal won by producer-consumers is also excluded, and only the actual sales from coal stocks held at grass by the Commonwealth Government have been taken to account. The values include Commonwealth Government price stabilisation subsidy payable in respect of coal during the war (from 1943) and early post-war years.

No. 19. Production, Consumption, and Stocks of Coal in New South Wales, 1949 to 1959

Year	Total Production	Mine Washery Refuse, etc.	Exports *		Available for Consumption in N.S.W. †	Changes in Stocks Held in N.S.W.		Actual Consumption in N.S.W.	Stocks on Hand at end of Year
			Oversea Countries	Interstate		Held at Mines, in Transit, etc.	Held by Consumers		
	Thousand tons								
1949	10,736	6	279	2,322	8,129	(+) 48	(—) 2	8,083	478
1950	12,798	15	230	2,359	10,194	(+) 92	(+) 128	9,974	698
1951	13,513	40	220	2,385	10,868	(+) 289	(+) 223	10,356	1,210
1952	15,022	54	223	2,837	11,908	(+) 777	(+) 493	10,638	2,480
1953	14,174	125	411	2,487	11,151	(+) 104	(—) 35	11,082	2,549
1954	15,083	229	396	2,567	11,891	(+) 68	(+) 205	11,618	2,822
1955	14,736	244	255	2,579	11,658	(—) 54	(+) 104	11,608	2,872
1956	14,810	237	303	2,240	12,030	(+) 167	(+) 19	11,844	3,058
1957	15,390	355	768	2,095	12,172	(+) 142	(+) 61	11,969	3,261
1958‡	15,851	614	811	1,996	12,430	(+) 423	(+) 13	11,994	3,697
1959	15,712	810	765	2,113	12,024	(—) 486	(—) 211	12,721	3,000

* Cargo and Bunker Coal.
† Total production, less washery refuse discarded and coal exported.
‡ Revised since last issue.

No. 20. Principal Uses of Coal in New South Wales, 1948-49 to 1958-59

Year ended 30th June	Used in Factories										Used for Railway Locomotives †	Total, Factories and Railway Locomotives
	As Raw Material in—			As Fuel in—						Total Used in Factories		
	Gas Works	Metallurgical Coke	Total	Electricity Works	Treatment of Non-metallic Minerals*	Bricks, Pottery, Glass	Industrial Metals, Machines, Conveyances	Food, Drink, Tobacco	Other	Total		
	Thousand tons											
1949	900	1,824	2,724	2,376	256	333	329	295	382	3,971	6,695	1,430	8,125
1950	870	1,943	2,813	2,262	279	336	336	307	371	3,891	6,704	1,319	8,023
1951	878	2,581	3,459	2,695	298	386	419	332	439	4,569	8,028	1,427	9,455
1952	929	2,791	3,720	2,956	320	415	450	313	460	4,914	8,634	1,448	10,082
1953	945	3,021	3,966	2,954	369	377	480	313	395	4,888	8,854	1,388	10,242
1954	945	3,211	4,156	3,188	366	432	455	326	444	5,211	9,367	1,478	10,845
1955	984	3,283	4,267	3,406	372	384	433	332	443	5,370	9,637	1,501	11,138
1956	947	3,216	4,163	3,579‡	397	398	254‡	321	445	5,394	9,557	1,523	11,080
1957	912	3,620	4,532	3,787	389	433	204	283	464	5,560	10,092	1,373	11,465
1958	834	3,788	4,622	4,029	460	424	196	272	463	5,844	10,466	1,125	11,591
1959	829	3,800	4,629	4,135	466	455	201	268	459	5,984	10,613	1,009	11,622

* Principally manufacture of portland cement.
† Government railways only; excludes small quantity used by private railways.
‡ Not strictly comparable wit l earlier years owing to re-classification of certain factory activities.

No. 21. Exports of Coal from New South Wales, Interstate and Oversea, 1949 to 1959

Year	Interstate Exports								Oversea Exports					
	Cargo Coal						Bunker Coal	Total, Interstate	Cargo Coal				Bunker Coal	Total, Oversea
	Victoria	South Australia*	Queensland	Western Australia	Tasmania	Total			New Caledonia	Japan	Other	Total		
	Thousand tons													
1949	1,191	720	13	108	52	2,084	238	2,322	42	...	14	56	223	279
1950	1,167	788	17	90	51	2,113	246	2,359	51	...	10	61	169	230
1951	1,259	749	11	86	55	2,160	225	2,385	77	...	21	98	122	220
1952	1,489	1,001	14	76	40	2,620	217	2,837	129	...	24	153	70	223
1953	1,264	895	11	66	29	2,265	222	2,487	138	55	160†	353	58	411
1954	1,267	948	12	69	35	2,331	236	2,567	163	...	195†	358	38	396
1955	1,244	992	12	69	53	2,370	209	2,579	168	9	36	213	42	255
1956	1,116	813	8	80	44	2,061	179	2,240	157	27	94†	278	25	303
1957	943	883	11	62	24	1,923	172	2,095	182	451	123†	756	12	768
1958‡	962	773	11	56	27	1,829	167	1,996	143	361	292†	796	15	811
1959	1,046	822	9	44	20	1,941	172	2,113	145	493	125¶	763	2	765

* Includes exports to Northern Territory, viz. 1949—1,400 tons; 1950—400 tons.
† Mainly to Korea.
‡ Revised since last issue.
¶ Mainly to Argentina.

No. 22. Mining Accidents, 1949 to 1959

Year	Number of Casualities										Rate per 1,000 Persons Employed			
	Persons Killed					Persons Injured *					Killed		Injured *	
	Coal and Shale	Gold	Silver, Lead, and Zinc	Other Minerals	Total Killed	Coal and Shale	Gold	Silver, Lead, and Zinc	Other Minerals	Total Injured	Coal and Shale	Other Minerals	Coal and Shale	Other Minerals
1949	24	1	5	5	35	75	16	23	13	127	1.28	1.06	4.00	5.01
1950	15	...	2	2	19	88	7	66	3	164	0.81	0.40	4.72	7.66
1951	14	1	3	4	22	82	3	26	13	124	0.74	0.76	4.32	4.00
1952	13	...	1	2	16	93	1	254	16	364	0.63	0.28	4.53	25.49
1953	15	...	2	1	18	79	2	229	9	319	0.76	0.29	3.98	23.52
1954	15	...	3	1	19	88	...	256	24	368	0.75	0.41	4.42	28.41
1955	22	...	4	4	30	87	4	277	29	397	1.14	0.78	4.50	30.20
1956	18	...	5	3	26	107	2	300	37	446	0.99	0.75	5.86	31.89
1957	13	...	8	1	22	68	...	273	56	397	0.77	0.83	4.01	30.22
1958	11	...	5	4	20	86	...	310	47	443	0.72	0.91	5.59	36.26
1959	9	...	6	5	20	73	...	315	51	439	0.67	1.22	5.44	39.71

* For coal and shale, relates to injuries causing permanent incapacity, either total or partial. For other industries, figures from 1952 relate to incapacity for over 14 days and those for earlier years to incapacity for over 28 days.

No. 23. State Revenue from Mining, 1949-50 to 1959-60

Year ended 30th June	Royalty on Minerals				Royalty Repayments †	Net Royalty	Mining Leases	Other Receipts *	Net Receipts
	Coal	Silver, Lead and Zinc	Gold and Other Minerals	Total Royalty					
	£	£	£	£	£	£	£	£	£
1950	258,251	1,048,167	11,405	1,317,823	11,156	1,306,667	18,147	4,658	1,329,472
1951	308,344	925,556	17,071	1,250,971	6,597	1,244,374	21,781	6,788	1,272,943
1952	325,460	2,973,116	29,142	3,327,718	11,684	3,316,034	19,435	4,805	3,340,274
1953	389,690	2,055,522	33,606	2,478,818	29,572	2,449,246	19,480	2,754	2,471,480
1954	390,172	462,753	34,224	887,149	46,650	840,499	19,755	5,144	865,398
1955	435,612	1,137,095	45,619	1,618,326	28,524	1,589,802	19,477	7,883	1,617,162
1956	433,340	1,907,403	52,813	2,393,556	9,474	2,384,082	19,758	17,749	2,421,589
1957	446,855	2,158,312	100,907	2,706,074	25,115	2,680,959	24,617	32,514	2,738,090
1958	456,261	1,417,876	167,960	2,042,097	34,277	2,007,820	18,587	17,457	2,043,864
1959	459,157	176,073	113,062	748,292	38,135	710,157	20,576	12,412	743,145
1960	449,479	335,171	105,826	890,476	68,935	821,541	19,237	24,868	865,646

* Includes fees for Miner's Rights and Business Licences.
† Royalty in regard to mining on private lands held without reservation of minerals to the Crown, is collected by the Mines Department on behalf of the owner.